

Bay Regional Medical Center Tumor Registry Report 2009 Data

In compliance with the American College of Surgeon's (ACOS) CoC guidelines, the Tumor Registry at Bay Regional Medical Center is responsible for abstracting all patients who are diagnosed or treated at Bay Regional Medical Center for cancer. The Registry is also responsible for abstracting patients who receive radiation at Jeppesen Radiation Oncology Center (JROC) and at Saginaw Radiation Oncology Center (SROC).

As required by the ACOS standards, the registry has maintained a patient follow-up rate above 90%.

Registry Data was prepared for electronic submission to the Michigan Department of Community Health Cancer Surveillance Unit of Michigan and to the National Cancer Data Base (NCDB). Submission of data to these programs allows the Registry to obtain local and national benchmarking information.

In 2009 there were 52 multidisciplinary, general Cancer Conferences held at Bay Regional Medical Center. Three hundred sixty-four (364) cases were presented at the Cancer Conferences. Continuing Education credit for the Conference was provided through the Ingham Regional Medical Center Office of Continuing Medical Education

2009 Data Summary

- 1073 new cases were accessioned into the Registry
 - 916 cases were analytic
 - 157 cases were non-analytic
- 44 additional cases were reported to the State of Michigan Cancer Registry
- 229 additional cases were reviewed and deemed not reportable

BAY REGIONAL MEDICAL CENTER 2009 Primary Sites

Primary Site	Class of Case												
	Total	Sex		Class of Case		Stage Distribution - Analytic							
		M	F	Analy	NA	Stg 0	Stg I	Stg II	Stg III	Stg IV	NA	Unk	
ORAL CAVITY & PHARYNX	27	22	5	25	2	0	6	3	2	9	0	5	
Lip	4	3	1	4	0	0	1	1	0	0	0	2	
Tongue	10	8	2	10	0	0	3	0	1	5	0	1	
Salivary Glands	2	2	0	1	1	0	0	0	0	0	0	1	
Floor of Mouth	4	3	1	3	1	0	0	1	0	2	0	0	
Gum & Other Mouth	2	2	0	2	0	0	2	0	0	0	0	0	
Nasopharynx	3	2	1	3	0	0	0	1	0	1	0	1	
Tonsil	2	2	0	2	0	0	0	0	1	1	0	0	
DIGESTIVE SYSTEM	128	75	53	119	9	2	28	18	25	27	3	16	
Esophagus	13	11	2	11	2	0	3	3	0	5	0	0	
Stomach	6	4	2	6	0	0	1	3	0	2	0	0	
Small Intestine	2	1	1	2	0	0	0	0	0	0	2	0	
Colon Excluding Rectum	43	22	21	38	5	1	9	6	12	7	0	3	
Cecum	9	4	5	9	0	0	0	2	4	2	0	1	
Ascending Colon	8	6	2	8	0	0	2	2	2	2	0	0	
Hepatic Flexure	1	1	0	1	0	0	0	0	1	0	0	0	
Transverse Colon	3	1	2	3	0	0	1	0	0	1	0	1	
Descending Colon	4	2	2	3	1	0	2	0	0	1	0	0	
Sigmoid Colon	11	6	5	10	1	1	2	1	5	1	0	0	
Large Intestine, NOS	7	2	5	4	3	0	2	1	0	0	0	1	
Rectum & Rectosigmoid	20	15	5	19	1	1	4	0	8	2	0	4	
Rectosigmoid Junction	3	2	1	3	0	0	0	0	2	0	0	1	
Rectum	17	13	4	16	1	1	4	0	6	2	0	3	
Anus, Anal Canal & Anorectum	7	3	4	7	0	0	1	4	1	1	0	0	
Liver & Intrahepatic Bile Duct	5	3	2	5	0	0	1	1	1	1	0	1	
Liver	4	3	1	4	0	0	0	1	1	1	0	1	
Intrahepatic Bile Duct	1	0	1	1	0	0	1	0	0	0	0	0	
Gallbladder	2	1	1	2	0	0	1	0	0	0	0	1	
Other Biliary	5	3	2	4	1	0	4	0	0	0	0	0	
Pancreas	24	12	12	24	0	0	4	1	3	9	0	7	
Other Digestive Organs	1	0	1	1	0	0	0	0	0	0	1	0	
RESPIRATORY SYSTEM	207	118	89	194	13	0	33	19	56	77	2	7	
Nose, Nasal Cavity & Middle Ear	3	2	1	2	1	0	0	0	0	0	2	0	
Larynx	11	10	1	11	0	0	3	3	1	4	0	0	
Lung & Bronchus	193	106	87	181	12	0	30	16	55	73	0	7	
BONES & JOINTS	4	3	1	3	1	0	1	0	0	0	0	2	
Bones & Joints	4	3	1	3	1	0	1	0	0	0	0	2	
SOFT TISSUE	3	2	1	3	0	0	0	0	0	1	1	1	
Soft Tissue (including Heart)	3	2	1	3	0	0	0	0	0	1	1	1	
SKIN EXCLUDING BASAL & SQL	27	17	10	19	8	5	7	2	1	2	0	2	
Melanoma -- Skin	24	15	9	17	7	5	7	2	1	2	0	0	
Other Non-Epithelial Skin	3	2	1	2	1	0	0	0	0	0	0	2	

Primary Site	Class of Case											
	Total	Sex				Stage Distribution - Analytic						
		M	F	Analy	NA	Stg 0	Stg I	Stg II	Stg III	Stg IV	NA	Unk
BREAST	202	2	200	195	7	39	86	37	17	7	0	9
Breast	202	2	200	195	7	39	86	37	17	7	0	9
FEMALE GENITAL SYSTEM	63	0	63	44	19	0	16	8	10	1	3	6
Cervix Uteri	19	0	19	7	12	0	4	2	0	0	0	1
Corpus & Uterus, NOS	28	0	28	24	4	0	11	2	3	1	3	4
Corpus Uteri	24	0	24	21	3	0	10	2	2	1	2	4
Uterus, NOS	4	0	4	3	1	0	1	0	1	0	1	0
Ovary	9	0	9	9	0	0	0	3	6	0	0	0
Vagina	2	0	2	2	0	0	1	0	0	0	0	1
Vulva	4	0	4	1	3	0	0	0	1	0	0	0
Other Female Genital Organs	1	0	1	1	0	0	0	1	0	0	0	0
MALE GENITAL SYSTEM	137	137	0	75	62	0	1	50	7	6	0	11
Prostate	136	136	0	74	62	0	0	50	7	6	0	11
Penis	1	1	0	1	0	0	1	0	0	0	0	0
URINARY SYSTEM	89	66	23	71	18	8	34	6	4	10	1	8
Urinary Bladder	53	39	14	39	14	8	21	1	1	2	0	6
Kidney & Renal Pelvis	34	26	8	30	4	0	13	5	3	7	0	2
Ureter	2	1	1	2	0	0	0	0	0	1	1	0
BRAIN & OTHER NERVOUS SYSTEMS	38	17	21	38	0	0	0	0	0	0	38	0
Brain	16	7	9	16	0	0	0	0	0	0	16	0
Cranial Nerves Other Nervous Systems	22	10	12	22	0	0	0	0	0	0	22	0
ENDOCRINE SYSTEM	18	6	12	16	2	0	3	0	1	2	10	0
Thyroid	7	1	6	6	1	0	3	0	1	2	0	0
Other Endocrine including Thymus	11	5	6	10	1	0	0	0	0	0	10	0
LYMPHOMA	54	24	30	47	7	0	17	6	7	14	0	3
Hodgkin Lymphoma	6	2	4	6	0	0	3	0	0	2	0	1
Non-Hodgkin Lymphoma	48	22	26	41	7	0	14	6	7	12	0	2
NHL - Nodal	33	16	17	28	5	0	4	6	7	9	0	2
NHL - Extranodal	15	6	9	13	2	0	10	0	0	3	0	0
MYELOMA	18	11	7	16	2	0	0	0	0	0	16	0
Myeloma	18	11	7	16	2	0	0	0	0	0	16	0
LEUKEMIA	16	9	7	12	4	0	0	0	0	0	12	0
Lymphocytic Leukemia	11	5	6	7	4	0	0	0	0	0	7	0
Acute Lymphocytic Leukemia	2	2	0	2	0	0	0	0	0	0	2	0
Chronic Lymphocytic Leukemia	8	3	5	4	4	0	0	0	0	0	4	0
Other Lymphocytic Leukemia	1	0	1	1	0	0	0	0	0	0	1	0
Myeloid & Monocytic Leukemia	5	4	1	5	0	0	0	0	0	0	5	0
Acute Myeloid Leukemia	4	3	1	4	0	0	0	0	0	0	4	0
Chronic Myeloid Leukemia	1	1	0	1	0	0	0	0	0	0	1	0
MESOTHELIOMA	4	3	1	3	1	0	0	0	0	2	1	0
Mesothelioma	4	3	1	3	1	0	0	0	0	2	1	0
MISCELLANEOUS	38	24	14	36	2	0	0	0	0	0	36	0
Miscellaneous	18	11	7	18	0	0	0	0	0	0	18	0
Refractory Anemia	9	7	2	8	1	0	0	0	0	0	9	0
Essential Thrombocythemia	5	3	2	4	1	0	0	0	0	0	5	0
Myelodysplastic syndrome	5	2	3	5	0	0	0	0	0	0	5	0
Chronic Myeloproliferative	1	1	0	1	0	0	0	0	0	0	1	0
Total	1,073	536	537	916	157	54	232	149	130	158	123	70

Leading Sites of Cancer Incidence
 2009 Statistics by Gender
 Bay Regional Medical Center

Bronchus/Lung
 N 15%
 S 15%
 B 23%

Prostate
 N 25%
 S 30%
 B 17%

Colon & Rectum
 N 10%
 S 9%
 B 8%

Bladder
 N 7%
 S 6%
 B 7%

Lymphomas
 N 5%
 S 5%
 B 5%

All Sites
 766,130
 27,543
 439



MEN



WOMEN

Breast
 N 32%
 S 28%
 B 40%

Bronchus/Lung
 N 14%
 S 15%
 B 17%

Corpus/Cervix Uteri
 N 3%
 S 8%
 B 5%

Colon & Rectum
 N 10%
 S 10%
 B 5%

Lymphomas
 N 4%
 S 5%
 B 4%

All Sites
 775,500*
 25,047
 478

Key N=National S= State of Michigan B= Bay Regional Medical Center

National Statistics Source: Cancer Facts & Figures, 2008 Estimates, American Cancer Society

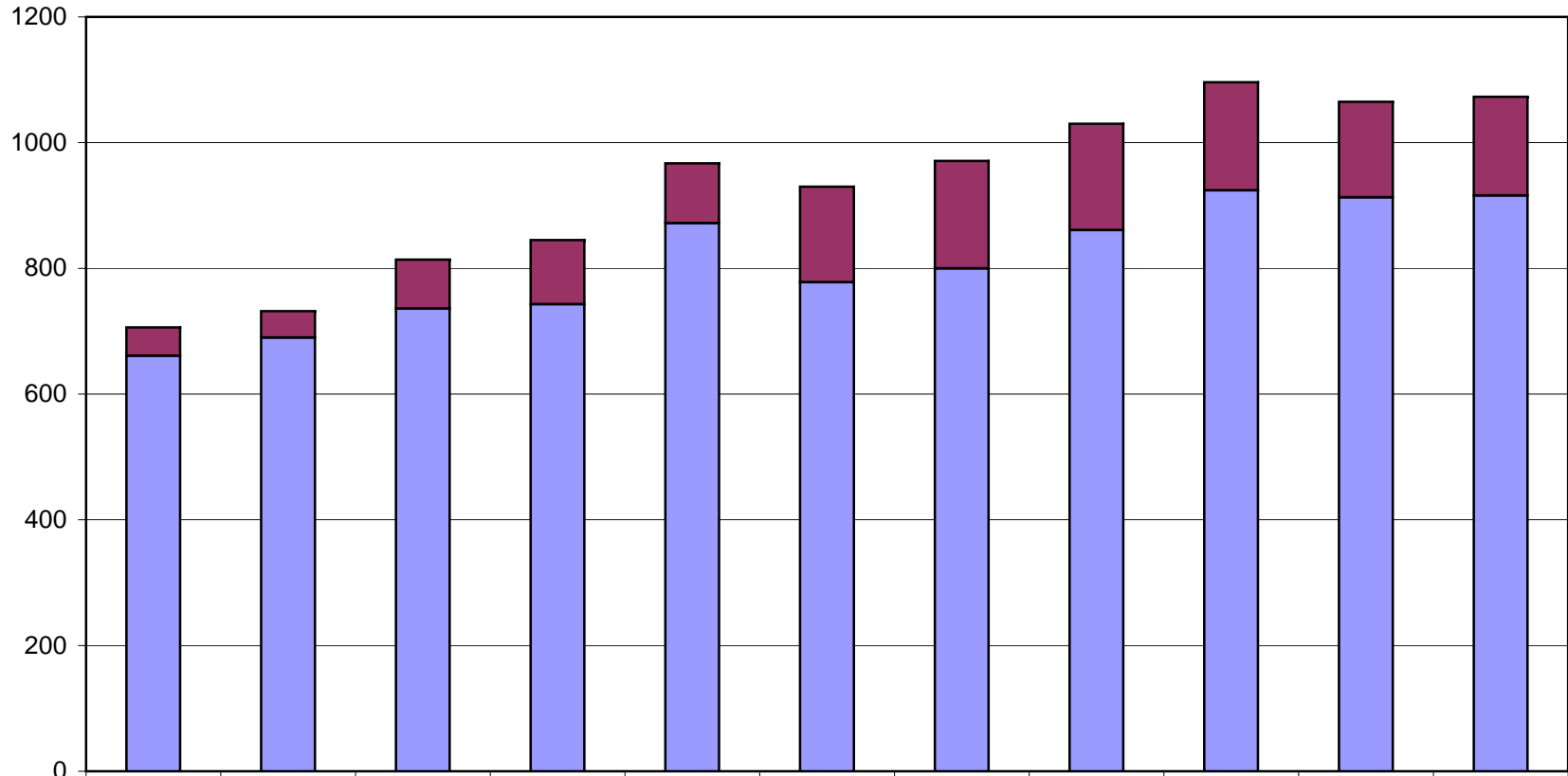
Source: Michigan Resident Cancer Incidence Files, cases diagnosed in 2007

Source: Bay Cancer Registry 2009 Statistical Data

* Includes Breast CIS

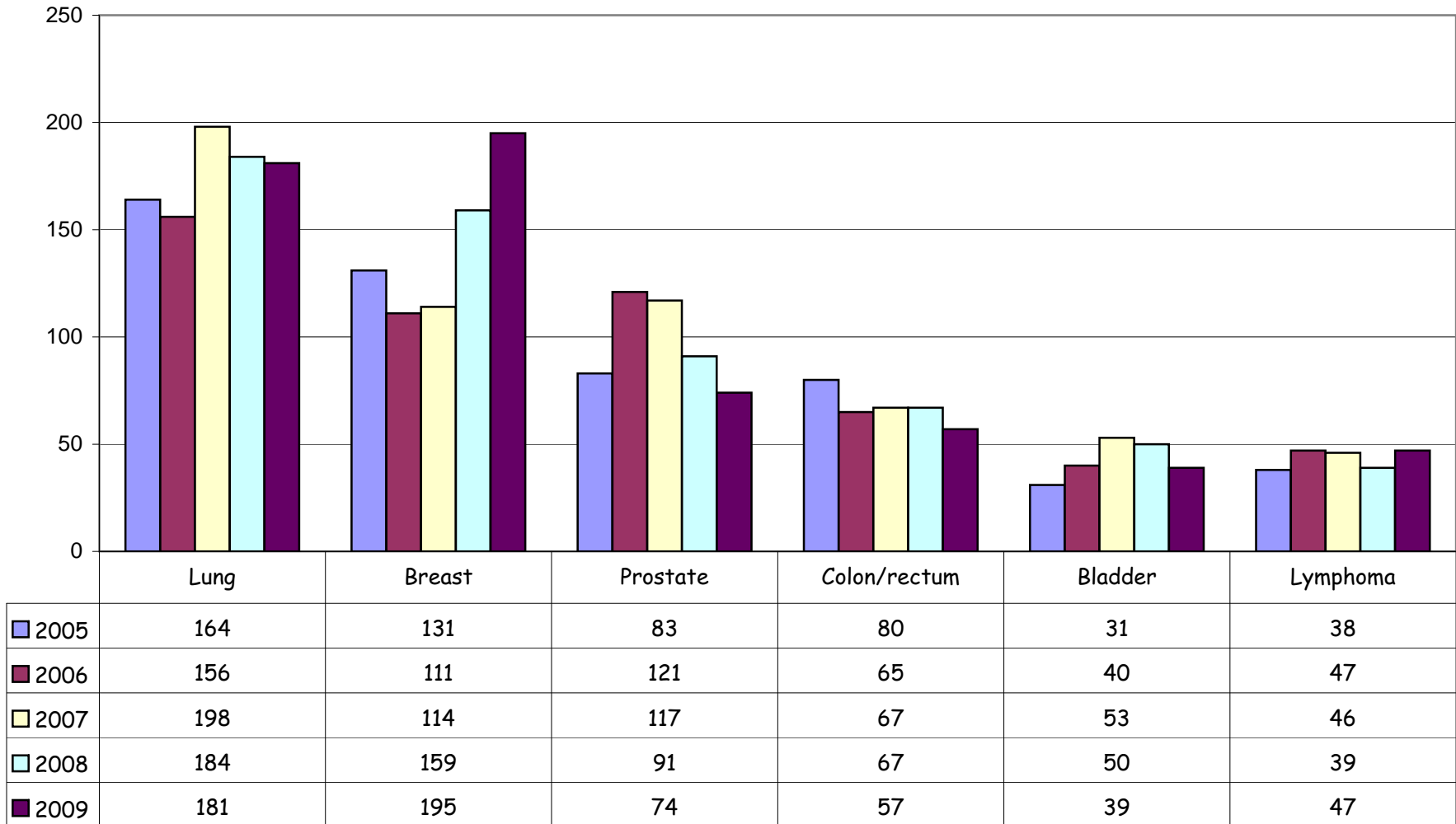
Excludes localized basal and squamous cell skin cancer

**BAY REGIONAL MEDICAL CENTER
Analytic/Nonanalytic Accessions by Year
1999-2009**

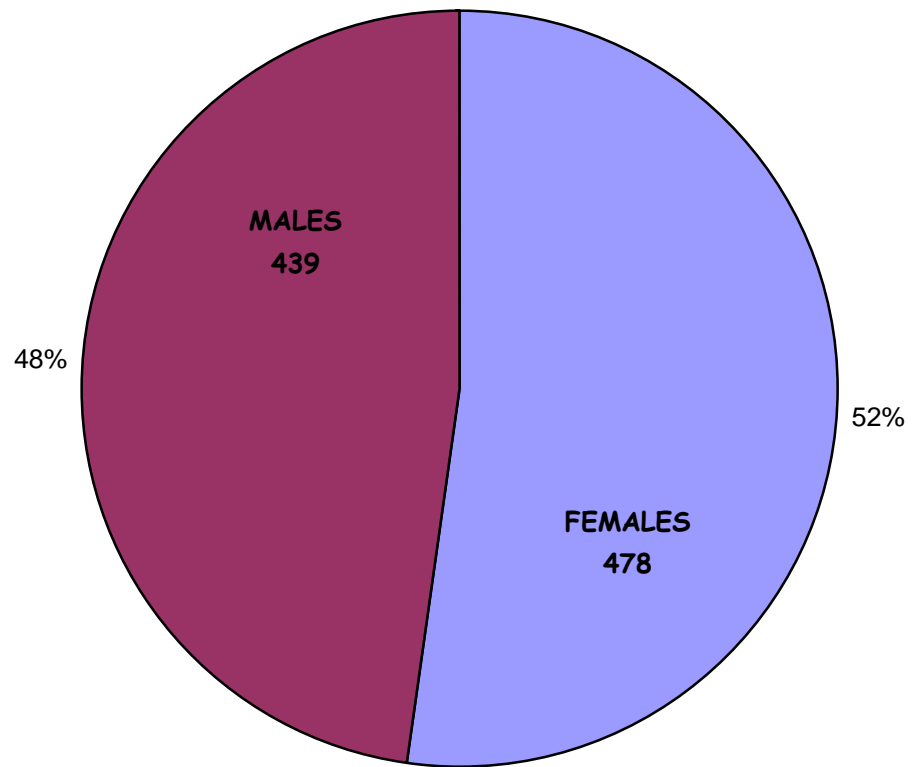


	1999	2000	2001*	2002	2003	2004	2005	2006	2007	2008	2009
■ Nonanalytic	45	42	78	102	95	152	171	169	172	152	157
■ Analytic	661	690	736	743	872	778	800	861	924	913	916

**Bay Regional Medical Center
Change in Leading Sites 2005-2009**



**BAY REGIONAL MEDICAL CENTER
GENDER DISTRIBUTION 2009 ANALYTIC CASES**



Bay Regional Medical Center
Distribution of all analytic cases by County 2004-2009

